FIG. 1

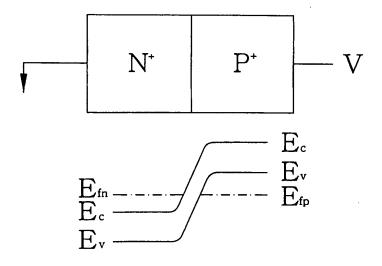


FIG. 2

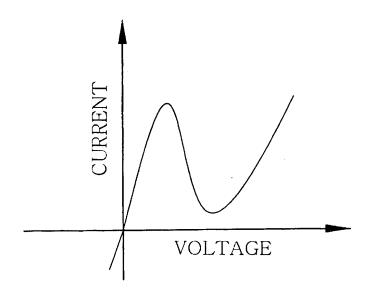


FIG. 3

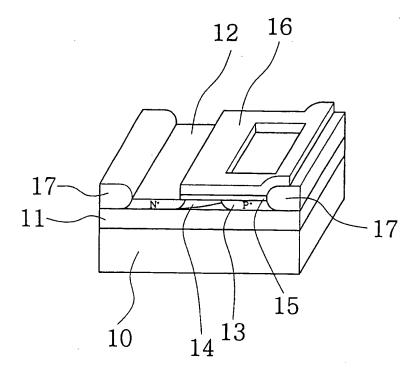


FIG. 4

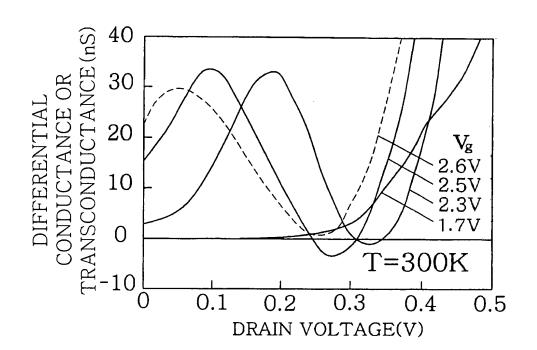


FIG. 5a

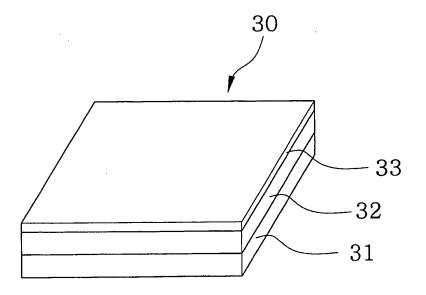


FIG. 5b

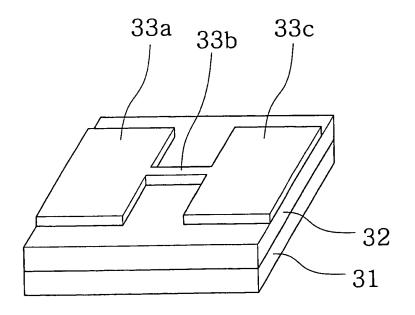


FIG. 5c

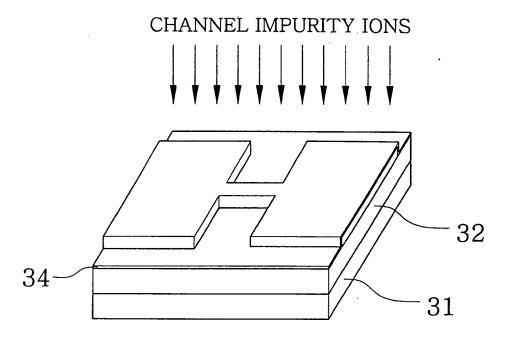


FIG. 5d

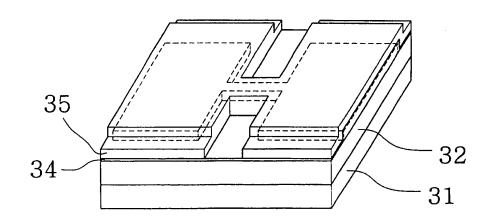


FIG. 5e

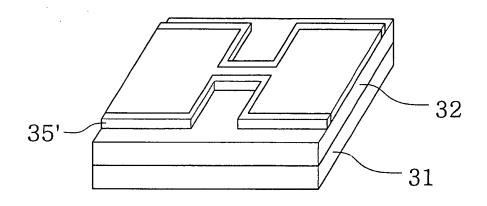


FIG. 5f

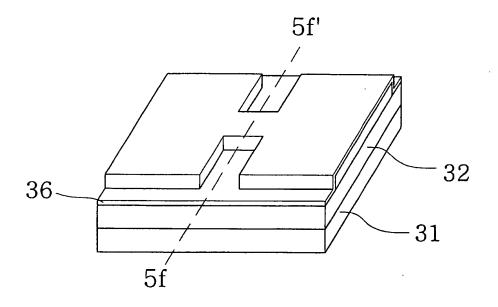


FIG. 5g

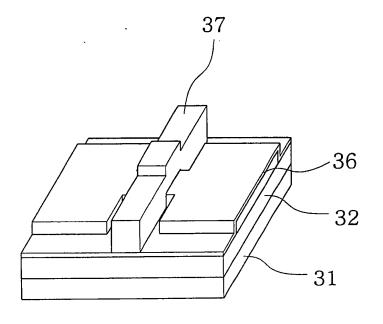


FIG. 5h

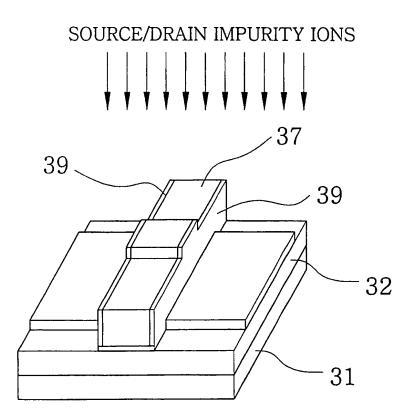


FIG. 6

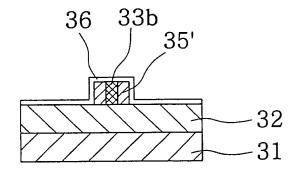


FIG. 7a

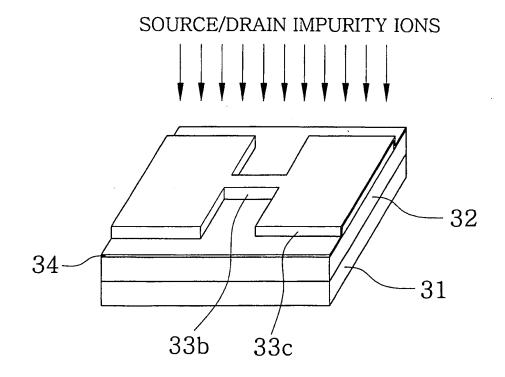


FIG. 7b

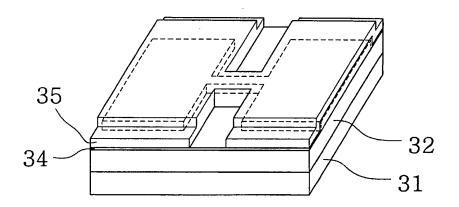


FIG. 7c

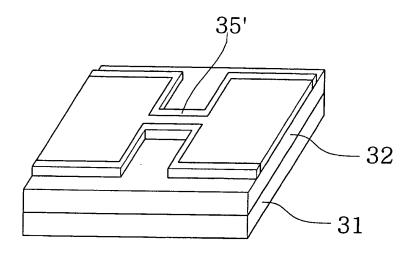


FIG. 7d

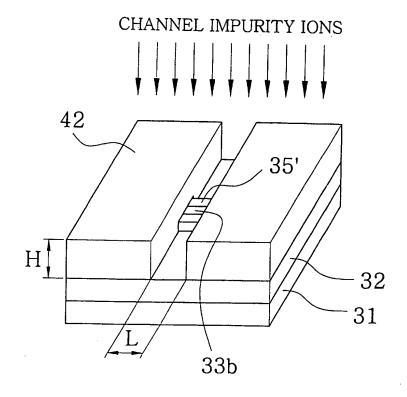


FIG. 7e

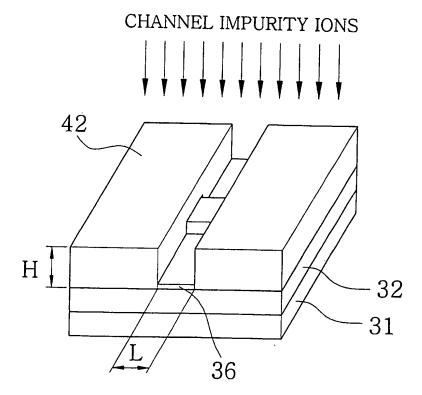


FIG. 7f

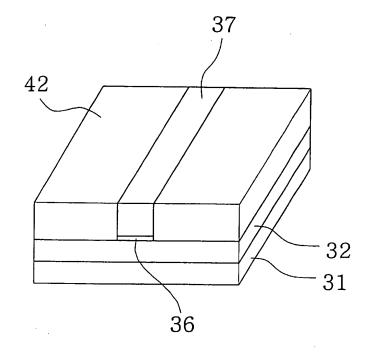


FIG. 8

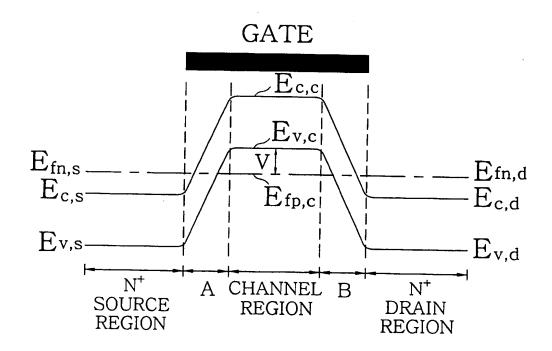


FIG. 9a

GATE $E_{c,c}$ $E_{v,c}$ $E_{c,s}$ $E_{c,s}$ $E_{c,d}$ $E_{v,d}$ $E_{v,d}$

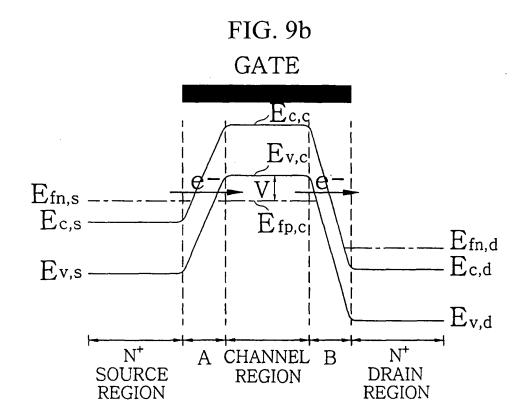


FIG. 9c
GATE

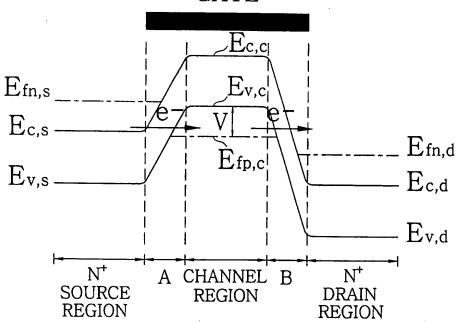
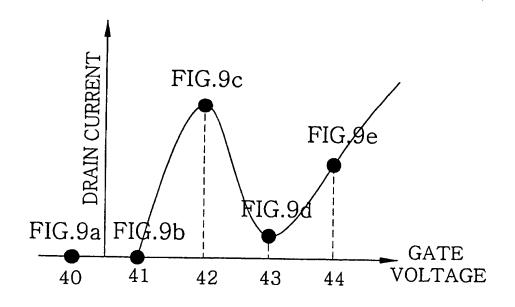


FIG. 9e

GATE $E_{fn,s}$ $E_{c,s}$ $E_{v,s}$ $E_{v,c}$ $E_{v,d}$ $E_{v,d}$ $E_{v,d}$ $E_{v,d}$ $E_{v,d}$

FIG. 10



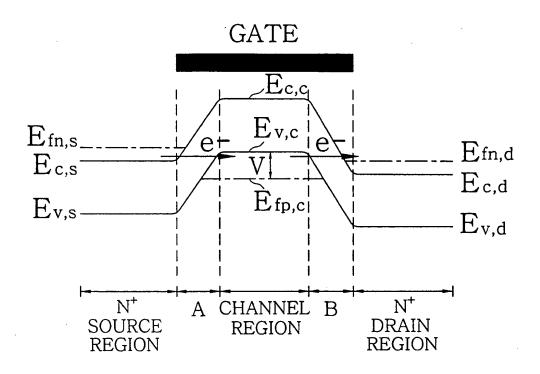


FIG. 12

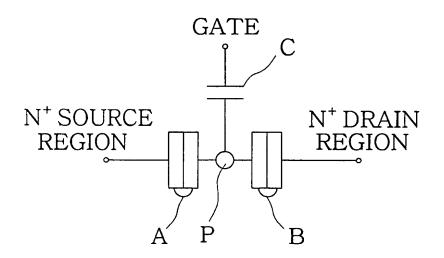


FIG. 13

